NAME:_____ WT ID:_____ DATE:_____

Plant, Soil and Environmental Science
Department of Agricultural Sciences
AGS 220   651-2550

Bachelor of Science Degree
BS.PSES (526)

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	
Communication (Core 10)		
ENGL 1301 Intro. to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Core 20)		
See **University Core Requirements** below	(3)	
Life and Physical Sciences (Core 30)		
See **University Core Requirements** below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312*/**, 2313*, 2315*, or 2371 **Choose 1**	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381 **Choose 2**	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
See **University Core Requirements** below	(3)	
Component Area Option (Core 90)		
See **University Core Requirements** below	(6)	

PLANT, SOIL AND ENVIRONMENTAL SCIENCE—PLANT AND SOIL SCIENCE MAJOR REQUIREMENTS: 78-80 HOURS
A grade of "C" or better must be earned in all courses required for major.

UNIVERSITY CORE REQUIREMENTS: 18 HOURS ♦

CORE 20 MATH 1314*, 1324*, 2412*[3], or 2413*[3] ♦	3		
CORE 30 ANSC 1319, ANSC 1319L Principles of Animal Sci. **AND** PSES 1307, PSES 1307L Principles of Plant Science	6		
CORE 80 AGBE 2317* Fundamentals of Agricultural Economics	3		
CORE 90 ENGL 1302* Academic Writing and Research **OR** ENGL 2311* Intro. to Professional & Technical Comm.	3		
CORE 90 AGRI 2300 Personal and Professional Leadership Development	3		

MAJOR REQUIREMENTS: 46 HOURS

CHEM 1411*, 1411L Chemistry I **OR** CHEM 1405*, 1405L General Chemistry	4	
Take one course from: BIOL 1411, 1411L Botany CHEM 1412*, 1412L Chemistry II PHYS 1401*, 1401L General Physics I	4	
PSES 2313 Economic Entomology	3	
PSES 2411, 2411L Soils and the Environment	4	
PSES 4320 Global Agriculture and the Environment	3	
PSES 4330* Crop Physiology	3	
PSES 4331* Irrigation, Soil and Water Conservation	3	
PSES 4342* Soil Fertility	3	

PSES 4097* Undergraduate Research **OR** PSES 4398* Plant, Soil & Environmental Science Internship	3	
AGBE 3301* Farm and Ranch Management **OR** AGBE 3304* Agricultural Business Management	3	
AGBE 3302* Marketing of Agricultural Products	3	
AGRI 1329 Food Science **OR** ANSC 3374* Principles of Nutrition	3	
AGRI 3103* Agricultural Industry and Career Preparation	1	
AGRI 3301 Genetics **OR** BIOL 3301 Genetics	3	
AGRI 3318* Agricultural Statistics	3	
SELECTIVES: Take 19-21 hours from the courses below, including a minimum of 12 hours of PSES courses (include all labs): PSES 1301 Principles of Horticulture PSES 3130* Soil Profile Evaluation PSES 3272 Individual Study of Seed & Plant Quality PSES 3350 Rangeland Plants PSES 3354 Rangeland Ecology PSES 4302* Range/Forage/Wildlife Management PSES 4310* Plant Breeding and Cytogenetics PSES 4311* Soil Morphology and Classification PSES 4321 Grain, Fiber and Oilseed Crops PSES 4341* Weeds, Herbicides, and Cultural Control PSES 4350* Rangeland Inventories and Studies PSES 4352 Integrated Grazing & Wildlife Habitat Mgt. PSES 4356 Rangeland Improvements PSES 4371* Field Crop Entomology BIOL 2374* Wildlife Conservation BIOL 2420, 2420L* Applied Microbiology BIOL 3424* Wildlife Management Techniques BIOL 3532* Plant Classification BIOL 4510 General Ecology ENVR 4305 Intro. to Geographic Information Systems ENVR 4404 Environmental Sampling and Interpretation	19-21	
ELECTIVES: 11-13 HOURS BY ADVISEMENT ♦		
ELECTIVES (ANY LEVEL) **NOTE: MATH 2412[1] or 2413[1] will need to be counted here if taken to satisfy Core 20 requirement.**	11-13	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	**120**	

♦ The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
* Indicates prerequisites—see catalog for more information.
** Or an equivalent course (second year, second semester) in a foreign language.
NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

Note: This is NOT a degree plan. Upon completing 30 credit hours, students must request an official degree plan (using the online Degree Plan Request form) in order to progress. Students who have questions about their degree plan should contact the office of the dean of the Paul Engler College of Agriculture and Natural Sciences, which is located in the Happy State Bank Academic & Research Building, Suite 262 (phone 806-651-3570).

WTAMU ADVISING SERVICES
2020-2021 Curriculum Guide

Major: Plant, Soil, and Environmental Science, B.S.   **Major Code:** 526

First Year — Boldface type indicates major requirements.

Fall		Spring	
CORE 90 - AGRI 2300	3	**CORE 30 - ANSC 1319/1319L**	3
CORE 20 - MATH 1314 or 1324	3	**PSES 2313 (spring only)**	3
CORE 30 - PSES 1307/1307L	3	**CORE 90 - ENGL 1302 or 2311** **(required for major)**	3
CORE 10 - ENGL 1301	3	CORE - See checklist for options (see also Note 1 below)	3
CORE - See checklist for options (see also Note 1 below)	3	CORE - See checklist for options (see also Note 1 below)	3
Semester Hours	15	Semester Hours	15

Second Year

Fall		Spring	
CORE 80 - AGBE 2317	3	**AGRI 1329 or ANSC 3374**	3
CHEM 1411/1411L or 1405/1405L	4	**Take one of the following:** **BIOL 1411, CHEM 1412, or PHYS 1401**	3
PSES 2411/2411L	4	CORE - See checklist for options (see also Note 1 below)	3
CORE - See checklist for options (see also Note 1 below)	3	CORE - See checklist for options (see also Note 1 below)	3
CORE - See checklist for options (see also Note 1 below)	3	Elective	3
Semester Hours	17	Semester Hours	15

Third Year

Fall		Spring	
AGRI 3301 (or BIOL 3301)	3	**AGBE 3301 or 3304**	3
AGBE 3302	3	**AGRI 3318**	3
AGRI 3103	1	**PSES 4330 or 4331 (spring only)**	3
PSES 4320 (fall only) or Selective -See checklist or Note 2 for details on selectives.	3	**PSES 4342 (spring only) or Selective** -See checklist or Note 2 for details on Selectives.	3
PSES/BIOL/ENVR Selective -See checklist or Note 2 for details.	3	Elective	3
Semester Hours	13	Semester Hours	15

Fourth Year

Fall		Spring	
PSES 4320 (fall only) or Selective -See checklist or Note 2 for details on Selectives.	3	**PSES 4342 (spring only) or Selective** - See checklist or Note 2 for details on Selectives	3
PSES Selective -See checklist or Note 2 for details.	3	**PSES 4330 or 4331 (spring only)**	3
PSES/BIOL/ENVR Selective -See checklist or Note 2 for details.	3	**PSES Selective** -See checklist or Note 2 for details.	3
PSES/BIOL/ENVR Selective -See checklist or Note 2 for details.	3	Elective	3
PSES 4097 or 4398	3	Elective	3
Semester Hours	15	Semester Hours	15

Degree Total Hours 120

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Identified Marketable Skills:

1. Agriculturally literate
2. Teachable/leadership/followership
3. Problem solver
4. Professional
5. Communicator
6. Competent in field of study

Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

Corporate Farm Operations
Seed/Chemical Companies
Research Laboratories
Crop Consulting

Prerequisites/Important Sequences/Other degree Notes:

Note 1 - CORE: PSES majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other core categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is not set order in which core courses must be taken.
Note 2 - PSES/BIOL/ENVR Selectives: Take 19-21 hours from the following courses, including a minimum of 12 hours of PSES courses (include all labs): PSES 1301, 3272, 3350, 3354, 4302, 4310, 4321, 4341, 4350, 4352, 4356, 4371; BIOL 2374, 2420, 3424, 3532, 4510; ENVR 4305, 4404.4.